# 6-Phosphogluconolactonase (pgl) Shigella Flexneri Recombinant Protein

## PRODUCT OVERVIEW

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| **Product Name** | 6-phosphogluconolactonase (pgl), Recombinant Protein |
| **Full Product Name** | Recombinant Shigella flexneri 6-phosphogluconolactonase (pgl) |
| **Product Gene Name** | pgl recombinant protein |
| **Product Synonym Gene Name** | pgl |
| **Sequence** | MKQTVYIASP ESQQIHVWNL NHEGALTLTQ VVDVPGQVQP MVVSPDKRYL YVGVRPEFRV LAYRIAPDDG ALTFAAESVL PGSPTHISTD HQGQFVFVGS YNAGNVSVTR LEDGLPVGVV DVVEGLDGCH SANISPDNRT LWVPALKQDR ICLFTVSDDG HLVAQDPAEV TTVEGAGPRH MVFHPNEQYA YCVNELNSSV DVWELKDPHG NIECVQTLDM MPENFSDTRW AADIHITPDG RHLYACDRTA SLITVFSVSE DGSVLSKEGF QPTETQPRGF NVDYSGKYLI AAGQKSHHIS VYEIVGEQGL LHEKGRYAVG QGPMWVVVNA H |
| **Host** | E Coli or Yeast or Baculovirus or Mammalian Cell |
| **Form/Format** | Lyophilized or liquid (Format to be determined during the manufacturing process) |
| **Purity/Purification** | Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific) |
| **Preparation and Storage** | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended. |
| **Molecular Weight** | 36,362 Da |
| **Sequence Positions** | 1-331, Full length protein |
| **Tag Information** | This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information. |
| **Sterility** | Sterile filter available upon request. |
| **Endotoxin** | Low endotoxin available upon request. |
| **3D Structure** | ModBase 3D Structure for Q83LP7 |
| **Species** | Shigella flexneri |
| **ISO Certification** | Manufactured in an ISO 9001:2015 Certified Laboratory. |
| **Related Product Information for pgl recombinant protein** | MBS1343611 is a recombinant protein targeting pgl. Also known as Recombinant Shigella flexneri 6-phosphogluconolactonase (pgl). Host: E Coli or Yeast or Baculovirus or Mammalian Cell. |
| **Other Notes** | Small volumes of pgl recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for pgl. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 56479762 |
| **NCBI GeneID** | 1027557 |
| **NCBI Accession #** | NP_706812.2 |
| **UniProt Primary Accession #** | Q83LP7 |
| **UniProt Secondary Accession #** | Q7UD46 |

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| **GenBank Nucleotide #** | NC_004337.2 |
| **NCBI Official Full Name** | 6-phosphogluconolactonase |
| **NCBI Official Symbol** | ybhE |
| **UniProt Protein Name** | 6-phosphogluconolactonase |
| **Protein Family** | 6-phosphogluconolactonase |
| **UniProt Gene Name** | pgl |
| **UniProt Synonym Gene Names** | 6-P-gluconolactonase |
| **NCBI Protein Information** | 6-phosphogluconolactonase |
| **UniProt Comments for pgl** | Catalyzes the hydrolysis of 6-phosphogluconolactone to 6-phosphogluconate. |
| **Precautions** | All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines. |
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